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I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER OF PATENTS, WASHINGTON, DC 20231, ON THE DATE INDICATED BELOW.

BY: Patent Application

DATE: Apr 21, 2002



BOX PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of : Group Art Unit: 1652
Emil C. Gotschlich :

Appn. No.: 10/007,267 : Examiner: To Be Assigned

Filed: December 3, 2001 :

For: GLYCOSYLTRANSFERASES FOR : Attorney Docket
BIOSYNTHESIS OF : No. 040853-01-5029-02
OLIGOSACCHARIDES AND GENES :
ENCODING THEM

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APR 26 2002

TECH CENTER 1600/2900

AMENDMENT TRANSMITTAL LETTER

Transmitted herewith is an Amendment in the above-identified application.

Substitute Specification.
 Small Entity status:
 has previously been claimed/established.
 is hereby claimed under 37 C.F.R. §1.27, as an Independent Inventor, or a Small Business Concern, or a Non-Profit Organization.

The additional claim fees have been calculated as follows:

| | | | | SMALL ENTITY | | LARGE ENTITY | | |
|--|---|-----|--|--------------------------|-----------------|---------------------|-------------|-----------------------|
| | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NO. PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE | ADDIT. FEE | RATE | ADDIT. FEE |
| TOTAL | 16 | (-) | 20 | | x\$9 | | x\$18 | |
| INDEP. | 6 | (-) | 3 | 3 | x\$42 | 126.00 | x\$84 | |
| <input type="checkbox"/> 1st PRESENTATION OF MULTIPLE DEPENDENT CLAIMS | | | | x\$140 | | +\$280 | | |
| | | | | TOTAL | \$126.00 | TOTAL | | |

The additional claim fees are being paid by:

A check in the amount of \$_____.

Authorization to charge and/or credit **Deposit Account No. 50-0310 (Billing No. 040853-01-5029-02)** as noted below. A duplicate copy of this sheet is enclosed.

Any overpayments or deficiencies in the above-calculated fee.

Additional claim fee in the amount of **\$126.00** as calculated above.

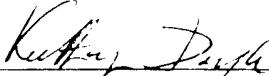
Any additional fees required under 37 C.F.R. § 1.16 and/or § 1.17.

In the event that a Petition for Extension of Time is required, but not submitted, please charge any extension fee under 37 C.F.R. § 1.136(a) to our Deposit Account.

CORRESPONDENCE ADDRESS

April 17, 2002
(Date)

By:


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Enclosures

See

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BY: *John C. Gotschlich*

DATE: *4/13/02*

O I P E
APR 22 2002
PATENT & TRADEMARK OFFICE

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SECOND PRELIMINARY AMENDMENT

Preliminary to the examination of the above-identified application, please amend the application as follows:

In the claims:

Please cancel claims 27, 32, and 33, without prejudice. Please add new claims 34-49, as follows:

34. (New) A glycosyltransferase comprising the amino acid sequence SEQ ID NO:2, or a functionally active fragment thereof.

35. (New) A glycosyltransferase comprising the amino acid sequence SEQ ID NO:3, or a functionally active fragment thereof.

36. (New) A glycosyltransferase comprising the amino acid sequence SEQ ID NO:4, or a functionally active fragment thereof.

37. (New) A glycosyltransferase comprising the amino acid sequence SEQ ID NO:5, or a functionally active fragment thereof.

38. (New) A glycosyltransferase comprising the amino acid sequence SEQ ID NO:6, or a functionally active fragment thereof.

39. (New) A composition comprising a glycosyltransferase conjugated to a solid phase support, wherein the glycosyltransferase is selected from the group consisting of:

a) a glycosyltransferase comprising the amino acid sequence SEQ ID NO:2, or a functionally active fragment thereof;